

# Claims

- [c1] 1. An optical system comprising:
- a. at least one optical element;
  - b. at least one source of light; and
  - c. at least one image modulator, wherein said at least one source of light generates a corresponding at least one beam of light, at least one of said at least one beam of light is modulated by said at least one image modulator so as to form a corresponding modulated beam of light, said modulated beam of light is directed through said at least one optical element, at least one said optical element causes a chromatic aberration of said modulated beam of light, and said at least one image modulator modulates said at least one beam of light with an image signal that is adapted to scale or shift or both scale and shift said incident beam of light so as to compensate for said chromatic aberration by said at least one said optical element.
- [c2] 2. An optical system as recited in claim 1, wherein said image signal is adapted responsive to a color of said modulated beam of light.

[c3] 3. An optical system comprising:  
a. at least one optical element;  
and  
b. at least one image component generator, wherein  
said at least one image component generator generates a corresponding modulated beam of light, said modulated beam of light is directed through said at least one optical element, at least one said optical element causes a chromatic aberration of said modulated beam of light, and a modulation of said modulated beam of light is adapted to scale or shift or both scale and shift said modulated beam of light relative to another modulated beam of light generated by another of said at least one image component generator so as to compensate for said chromatic aberration by said at least one said optical element.

[c4] 4. An optical system as recited in claim 3, wherein said modulation of said modulated beam of light is adapted responsive to a color associated with said modulated beam of light.